

# The US Cloud and ADC

Xin Zhao

WBS 2.3 Meeting, December 3rd, 2018

**BROOKHAVEN**  
NATIONAL LABORATORY



# Outline

- ADC infrastructure activities
- Questions to US Cloud

# ADC Infrastructure Activities (exclude DOMA)

- CentOS7 migration
  - Starting early next year, ADC will start to push all sites to migrate. Sites are encouraged to move earlier if possible
- Containers/Singularity
  - Production use case tested with pilot2, deployment tied with pilot2 schedule
  - More testing to be done, with other use cases and new releases/features of singularity
  - Recommendations to sites to be worked out
- Unified PanDA queues
- Information system

\* *For more details, check out Alessandra's [talk](#) at the last SW&C week*

# Questions to US Cloud : UCORE

- Analy vs prod PQs, path forward?
  - Move to the same model as the other cloud, ie Role=pilot for analysis jobs ?
  - Continue with current model
    - Harvester special case for US cloud ?
    - APF for analy PQs continuously, only prod PQs on harvester
- Changes to site batch systems (if necessary)
  - BNL solution for HTCCondor
- Procedure
  - All sites move together, or BNL moves first ?
  - List of US PQs to be unified --- double check
    - [https://docs.google.com/spreadsheets/d/1V\\_sRcwflWfCZysN5w2fblrwi1TdCkQxh5PmC6Tp88fg/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1V_sRcwflWfCZysN5w2fblrwi1TdCkQxh5PmC6Tp88fg/edit?usp=sharing)

# Questions to US Cloud : Analytics

- Several longstanding questions that need more analytics study
  - Extra replica of DAODs on US T2 sites
    - Data volume, popularity, ...
  - IO intensive workflows (reprocessing, spillover, etc) on the grid vs only on some sites ?
    - Any impact on job completion time ? e.g HI spillover jobs from BNL-ATLAS nucleus got executed at INFN PQ

# Questions & Comments?